

Title (en)

Apparatus and method for mitigating excess time delay in a wireless communication system

Title (de)

Einrichtung und Verfahren zur Reduzierung überschüssiger verzögerungen in einem schnurlosen Kommunikationssystem

Title (fr)

Appareil et procédé visant à réduire les temps de propagation excédentaires dans un système de communications sans fil

Publication

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Application

EP 96943761 A 19961213

Priority

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Abstract (en)

[origin: WO9732446A1] A wireless communication system (200, 300, 400, 500) mitigates the effects of excess timing delay caused by varying lengths of communication paths. In one general implementation, a transition communication path (206, 323, 329) is used to transfer a time-advanced version of a timing reference signal so that the cumulative time delay at a transition cell (209, 325, 331) is reduced. In another general implementation, the timing reference signal is time-advanced in all communication paths (403-411), and selected communication paths (403-407) include a time delay means (423-427, 503-507) such that the cumulative time delay at an area (421) near a target coverage area (130) is reduced. By reducing the cumulative time delay at the area (421) near the target coverage area (130), a hand-off of a communication of a mobile station (128) into the target coverage area (130) can be performed.

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